

POSITRON EMISSION TOMOGRAPHY WRIST DETECTOR

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License Status

Available for Licensing

- Non-Exclusive
- Exclusive

Patent Status

U.S. Patent Issued

7,091,489 B2

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PRODUCT

Describes a low-noise, low power, compact positron emission tomography (PET) wrist detector which non-invasively measures the radioactivity in the blood and mathematically corrects the results of this measurement to accurately represent an arterial input function. The detector can be used to image additional parts of the human body including; the head, neck, arm and leg.



COMPETITIVE ADVANTAGE

The detector separates arterial information from venous and surrounding information to maximize detector efficiency and spatial resolution. In addition, the apparatus utilizes improved timing resolution and selective shielding techniques to effectively reduce coincidence during PET scanning.

APPLICATIONS

The equipment can be used in combination with PET scan to monitor the blood to accurately quantify metabolic activity.

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